

REMARKS

This responds to the Office Action dated June 5, 2002. In the Office Action, claims 1-14 were rejected under 35 U.S.C. § 112, second paragraph. Claims 1-8 and 10-14 were rejected under 35 U.S.C. § 102(b) as being anticipated by Gladd et al. (6,000,952). Claim 9 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Gladd et al. in view of Jayne (3,682,792).

In response to the Office Action, claims 1, 4, 6-11 and 13 have been amended. Claim 2 has been canceled.

Independent claims 1 and 10 have been amended to recite systems for use with jack assemblies including front plug receiving ports and rear electrical contacts. The chassis of each of claims 1 and 10 defines a plurality of jack receiving areas. The claims also recite that the chassis receives a plurality of mount apparatus. With respect to claim 1, the chassis includes a power bus having a plurality of power plugs for providing electrical power to each of the mount apparatus. The power bus further includes a power intake for receiving electrical power. Each of the mount apparatus includes a power receptacle for receiving electrical power from one of the plurality of power plugs of the power bus. Each of the mount apparatus includes front electrical contacts and rear electrical contacts, with the front electrical contacts configured for contacting the rear electrical contacts of the jack assemblies.

With respect to the Gladd reference, there is no teaching or suggestion for providing a chassis for holding a plurality of mount apparatus wherein the chassis and mount apparatus are mateable with jack assemblies. The Gladd et al. device is an interconnect system for integrating a bussed electrical distribution enter with a printed circuit board, such as is used in the automotive industry. The system of claim 1 is related to chassis for holding telecommunications jacks wherein the jack assemblies include front plug receiving ports and rear electrical contacts. Each mount apparatus is separately powered up by the bus. In this manner, mount apparatus can be added or removed as needed. Also, the jack assemblies can be added or removed as needed. For these reasons, independent claim 1 and dependent claims 3-9 patentably distinguish the cited art.

With respect to claim 10, the claim recites that each of the mount apparatus includes a front cover and a back cover. The front cover includes a plurality of receptacles including electrical contacts for mating with the rear electrical contacts of the jack assemblies. The back cover includes a plurality of through holes. A circuit board assembly is sandwiched between the

front cover and the back cover wherein the circuit board assembly includes a plurality of pins extending through the holes of the back cover.

With respect to the Gladd et al. patent, there is no teaching or suggestion of utilizing the recited mount apparatus including the front cover, back cover, and circuit board assembly in combination with the recited chassis which receives the jack assemblies. For these reasons, independent claim 11 and dependent claims 12-14 patentably distinguish the cited art.

Reexamination and reconsideration are respectfully requested. If a telephone conference would be helpful in resolving any issue, the Examiner is urged to contact the undersigned attorney at the telephone number noted.

Attached hereto is a marked-up version of the changes made to the application by the current amendment. The attached page is captioned "Version With Markings to Show Changes Made."

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 1, 4, 6-11, and 13 have been amended as follows:

1. (Amended) A system for use with jack assemblies including front plug receiving ports and rear electrical contacts comprising:

a chassis arranged and configured to retain a plurality of mount apparatuses, the chassis including a power bus having a plurality of power plugs for providing electrical power, wherein the power bus further includes a power intake for receiving electrical power, the chassis defining a plurality of jack assembly receiving areas; and

[at least one] a plurality of mount apparatus mounted in the chassis, each of the mount apparatus including a power receptacle for receiving electrical power from one of the plurality of power plugs, each of the mount apparatus including front electrical contacts and rear electrical contacts, the front electrical contacts configured for contacting the rear electrical contacts of the jack assemblies.

4. (Amended) The system of claim 1 further comprising a plurality of jack [assembly] assemblies each having front plug receiving ports and rear electrical contacts that are electrically connected to the mount apparatus.

6. (Amended) The system of claim 1 wherein the mount apparatus includes:

a front cover having a plurality of receptacles;

a back cover having a plurality of through holes; and

a circuit board assembly sandwiched between the front cover and the back cover, the circuit board assembly including a plurality of pins extending through the holes in the back cover.

7. (Amended) The system of claim 6 wherein the circuit board assembly includes:

a board having a plurality of through holes aligned with the receptacles of the front cover and the through holes of the back cover;

a plurality of contacts retained in a first set of the through holes of the board of the circuit board assembly, a first end of each contact defining each of the front electrical contacts and being extended towards and exposed in a corresponding receptacle of the front cover and stopped by the front cover, a second end of each contact being extended towards and projecting toward the back cover;

[a] the plurality of pins retained in a second set of the through holes of the board of the circuit board assembly, a first end of each pin being extended towards and stopped by the front cover, a second end of each pin being extended towards and projected from a corresponding through hole of the back cover; and

a trace electrically connecting each contact to each corresponding pin.

8. (Amended) The system of claim 1 wherein the mount apparatus includes a circuit board assembly having a circuit board and a plurality of electrical terminals, the electrical terminals including the front electrical contacts of the mount.

9. (Amended) The system of claim [1] 8 wherein the electrical terminals are adapted for insertion into a through hole of [a] the circuit board, the electrical terminal including:

a first section that receives [an] one of the rear electrical [contact] contacts of the jack assembly, the first section including first and second spring arms proximate to each other at a contact point and configured to exert a first spring force to retain the electrical contact;

a second section adapted for insertion into the through hole of the circuit board, the second section including first and second pin members proximate to each other and defining first and second slots configured to exert a second spring force to retain the electrical terminal in the through hole of the circuit board, the second spring force being exerted in a direction perpendicular to the first spring force; and

a third section integral with the first and second sections.

10. (Amended) A system for use with jack assemblies including front plug receiving ports and rear electrical contacts comprising:

a chassis arranged and configured to retain a plurality of mount apparatuses,
[at least one] a plurality of mount apparatus mounted in the chassis, each of the mount apparatus
including:

a front cover having a plurality of receptacles including electrical contacts for mating
with the rear electrical contacts of the jack assemblies;

a back cover having a plurality of through holes; and

a circuit board assembly sandwiched between the front cover and the back cover, the
circuit board assembly including a plurality of pins extending through the holes of the back
cover, the chassis defining a plurality of jack assembly receiving areas.

11. (Amended) The system of claim 10 wherein the circuit board assembly includes:

a board having a plurality of through holes aligned with the receptacles of the front cover
and the through holes of the back cover;

a plurality of contacts retained in a first set of the through holes of the board of the circuit
board assembly, a first end of each contact defining each of the electrical contacts of the front
cover and being extended towards and exposed in a corresponding receptacle of the front cover
and stopped by the front cover, a second end of each contact being extended towards and
projecting toward the back cover;

[a] the plurality of pins retained in a second set of the through holes of the board of the
circuit board assembly, a first end of each pin being extended towards and stopped by the front
cover, a second end of each pin being extended towards and projected from a corresponding
through hole of the back cover; and

a trace electrically connecting each contact to each corresponding pin.

13. (Amended) The system of claim 11 further comprising a plurality of jack [assembly]
assemblies each having electrical contacts that are electrically connected to the mount apparatus.

Claim 2 has been canceled.